

Appl. No. 10/810,904  
Amdt. dated October 27, 2006  
Supplemental Reply to Office Action of July 7, 2006

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. – 7. (Cancelled)
8. (Currently amended) An isolated polypeptide having PhzO activity encoded by a nucleic acid molecule selected from the group consisting of:
  - (a) a nucleotide sequence as given in SEQ ID NO:1 from nucleotide 76 to nucleotide 1564 or from nucleotide 89 to nucleotide 1564;
  - (b) a nucleotide sequence encoding a polypeptide comprising an amino acid sequence of SEQ ID NO:2;
  - (c) a nucleic acid sequence having at least ~~50%~~ 95% nucleotide sequence identity with SEQ ID NO:1 from nucleotide 89 through nucleotide 1564;
  - (d) a nucleic acid sequence encoding a polypeptide having an amino acid sequence which has at least ~~60%~~ 95% sequence identity with SEQ ID NO:2;
  - (e) a nucleic acid sequence which hybridizes under ~~medium~~ or high stringency conditions with the nucleotide sequence of SEQ ID NO:1 from nucleotide 89 through nucleotide 1564; and
  - (f) a subsequence of (a), (b), (c), (d) or (e) of at least 100 nucleotides wherein the subsequence encodes a polypeptide fragment which has PhzO activity.
9. (Currently amended) An isolated polypeptide having PhzO activity, selected from the group consisting of:
  - (a) a polypeptide having an amino acid sequence of SEQ ID NO:2;
  - (b) a polypeptide having an amino acid sequence which has at least ~~60%~~ 95% identity with amino acids 1 to 491 of SEQ ID NO:2.